



AVOX Systems

Formerly Scott Aviation, Inc.

SERVICE INFORMATION LETTER

AVOX Systems Inc.

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

P/N 806369 SERIES, 806371 SERIES AND 806385 SERIES – CYLINDER AND REGULATOR ASSEMBLIES

1. BACKGROUND

This Service Information Letter (SIL) gives corrections for procedures in certain sections of the current CMM 35-21-99 (Revision 1 dated May 01/00). This SIL introduces new AVOX Systems part numbers (806369 Series, 806371 Series and 806385 Series) that will be added to CMM 35-21-99 at the next revision. A new P/N is added. New materials are added.

It is important to obey the instructions in this SIL to ensure that all the 806369, 806371 and 806385 Series Cylinder and Regulator Assemblies (CRA's) installed in your aircraft operate correctly.

You are authorized to make copies of this SIL and give them to other persons. If you make a copy of this SIL, you must make a copy of all of the SIL.

2. EFFECTIVITY

A. Aircraft

This SIL applies to all makes and models of aircraft that have installed any of the AVOX Systems CRA's shown in Table 1.

B. Cylinder and Regulator Assemblies

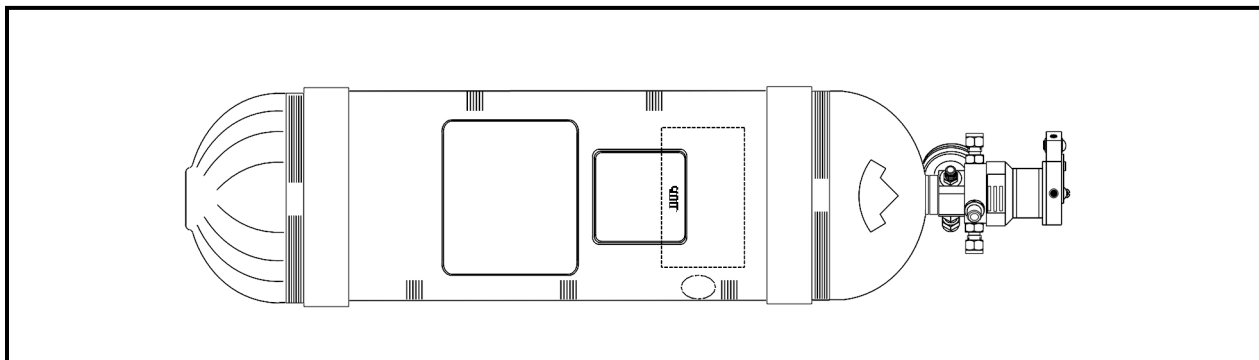
This SIL applies to the Scott CRA's listed in Table 1.

Table 1
Affected Cylinder and Regulator Assemblies

806369-11	806371-111	806385-11
806369-12	806371-121	806385-12
806369-22		806385-13
806369-31		806385-14
806369-32		806385-111
		806385-141

These CRA's are made by AVOX Systems in Lancaster, NY, USA (V53655). This SIL applies to CRA's made by AVOX Systems and by Scott Aviation.

A typical CRA is illustrated in Figure 1.



Typical 898, 806385, 806369, and 806371 Series CRA
Figure 1

2. EFFECTIVITY (Continued)

C. Component Maintenance Manual (CMM)

This SIL is applicable to and gives corrections for certain parts of AVOX Systems CMM 35-21-99 (Revision 1 dated May 01/00). After the CMM is revised, this SIL will not be applicable to the CMM.

3. SPECIAL TOOLS AND EQUIPMENT

Refer to CMM 35-21-99.

4. CONSUMABLE MATERIALS

Refer to CMM 35-21-99 and see Table 2 for new consumable materials required by this SIL.

Table 2
Consumable Materials

Material	Description	Manufacturer (Vendor Code)
Grade 242	Adhesive	Loctite Corp. Newington, CT 06111-1411 USA (V05972)
Grade T	Primer	Loctite Corp. Newington, CT 06111-1411 USA (V05972)

5. CAUTIONS AND WARNINGS

Read and obey the cautions and warnings in CMM 35-21-99.

6. ASSEMBLY

A. One new P/N 10013469 safety plug gasket is to be installed on the affected assemblies listed in Table 1 only.

B. Do the steps below instead of steps 6.B.(1) thru 6.B.(4) on page 7007 of CMM 35-21-99.

(1) Apply a thin layer of powdered lubricant (see Table 7003 on page 7006 of the CMM 35-21-99) to the new safety plug gasket (P/N 10013469).

(2) Insert the new lubricated safety plug gasket (P/N 10013469) into the high pressure relief port H-1 of the regulator body (360, 360A, 360B).



6. ASSEMBLY

B. Do the steps below instead of...(Continued)

- (3) Insert the safety disc (55, -55A, 55B) on top of the lubricated safety plug gasket (P/N 10013469).
- (4) Carefully install the burst disc spacer (50, 50A) into the port H-1 on the regulator body (360, 360A, 360B). Torque the spacer to 100-110 in lbs (11.3-12.4 N•m) in one continuous motion.

C. Do the steps below instead of step 11.B.(3) on page 7013 in CMM 35-21-99.

- (1) Apply primer T (see Table 2) to the threads of the adapter fitting (40, 40B). Drying time is 30 seconds minimum. Apply adhesive 242 (see Table 2) to the first thread groove. Insert the burst disc catcher (45, 45A) into the adapter fitting. Insert the adapter fitting into the regulator body (360, 360A, 360B). Torque the adapter fitting to 50-60 in lbs (5.6-6.8 N•m) in one continuous motion.
- (2) Install the lockwire (see Table 7003 in CMM 35-21-99) between the male altered connector (40A) or the adapter fitting (40, 40B) and the cap screw (245).

D. Marking

- (1) Replace the existing 898 Series Cylinder and Regulator nameplate with the new nameplates (P/N's 10009314, 10013529). Use a permanent indelible pen such as a fine point Sharpie®.
- (2) Write the new regulator part number tabulation on the new regulator nameplate (P/N 10013529) in the area provided. Refer to Figure 2. Refer to Table 3 for the new AVOX Systems Regulator P/N.
- (3) In the area provided, write the same Serial Number on the new regulator nameplate (P/N 10013529) that was on the old regulator nameplate. Refer to Figure 2.

NOTE: Outlet pressure information is not transferred.

- (4) Write the new AVOX CRA P/N and Customer CRA P/N which corresponds to the old CRA Part Number on the new cylinder nameplate (P/N 10009314) in the area provided. Refer to Figures 3 and 5. Refer to Table 3 for the New AVOX CRA P/N.
- (5) In the area provided, transfer the manufactured date to the new cylinder nameplate (P/N 10009314). Refer to Figure 3.
- (6) Peel off the existing nameplates from the regulator and the cylinder (refer to Figures 4 and 5). Use Isopropyl alcohol to clean off any residue and allow to dry.
- (7) Apply the new nameplate (P/N 10013529) to the regulator in the area shown (refer to Figure 4).
- (8) Apply the new nameplate (P/N 10009314) to the cylinder in the area shown (refer to Figure 5).

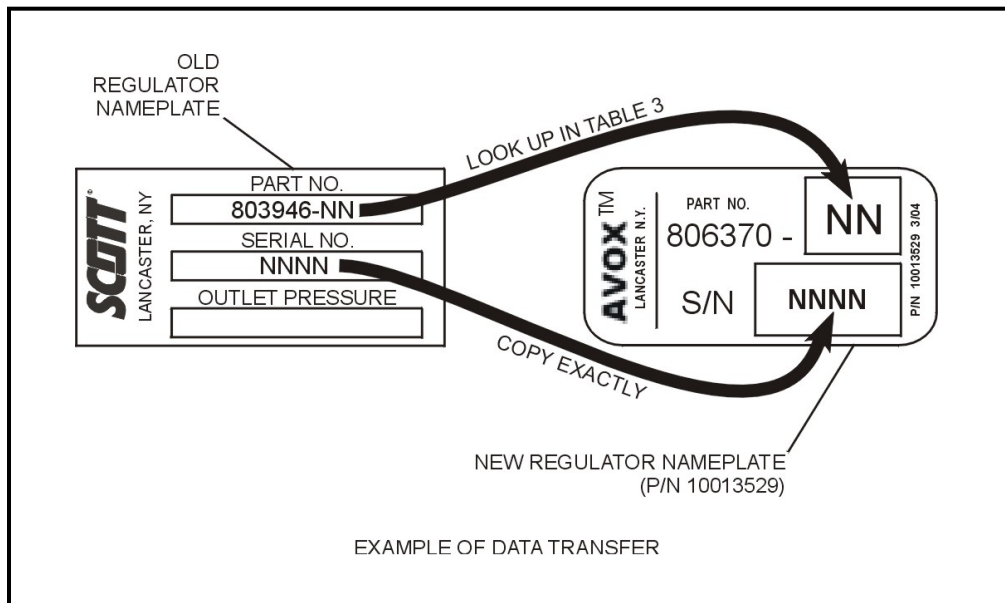


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Table 3
Old P/N to New P/N Conversion

Old Scott CRA P/N (See Figure 3)	New AVOX CRA P/N (See Figure 3)	New Customer CRA P/N	Old Scott Regulator P/N (See Figures 2 & 4)	New AVOX Regulator P/N (See Figures 2 & 4)
898-FT0C15	806369-11	4AS7510708-010	803946-04	806370-04
898-FT0C77	806369-12	4AS7510708-012	803946-04	806370-04
898-KT0C15	806385-111	6635000000-095	803946-07	806370-07
898-KT0C22	806385-141	6635000000-079	803946-07	806370-07
898-MT0C15	806371-111	---	803946-06	806370-06
898-MT0C77	806371-121	---	803946-06	806370-06
898-NT0C77	806369-22	4AS7510708-011	803946-09	806370-09
898-PT0C15	806385-11	6635000000-115	803946-07	806370-07
898-PT0C22	806385-14	6635000000-111	803946-07	806370-07
898-PT0C40	806385-13	6635000000-113	803946-07	806370-07
898-PT0C77	806385-12	6635000000-117	803946-07	806370-07
898-RT0C15	806369-31	4AS7510708-009	803946-10	806370-10
898-RT0C77	806369-32	4AS7510708-013	803946-10	806370-10

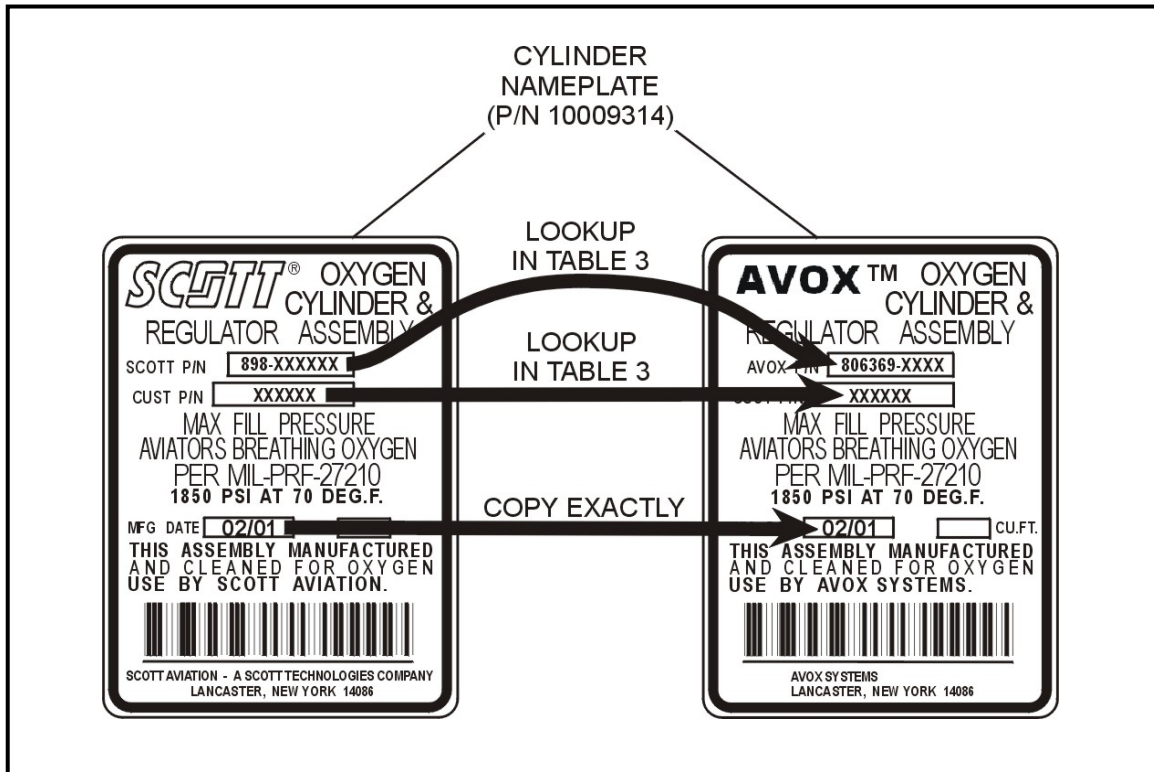


Transfer Regulator Nameplate Data
Figure 2

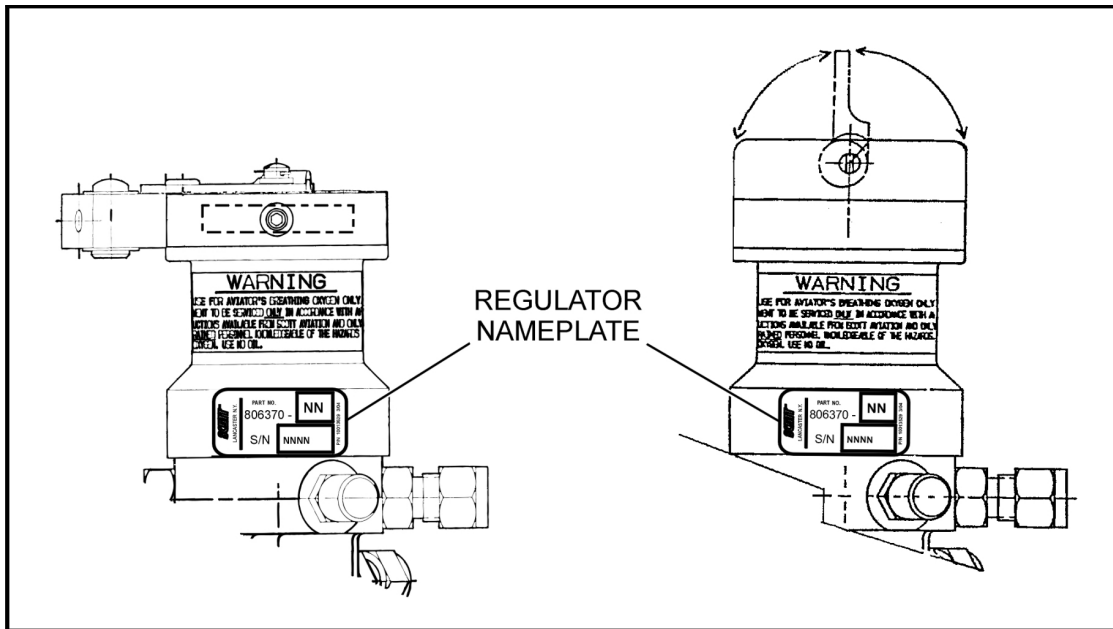


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Transfer Cylinder Nameplate Data
Figure 3

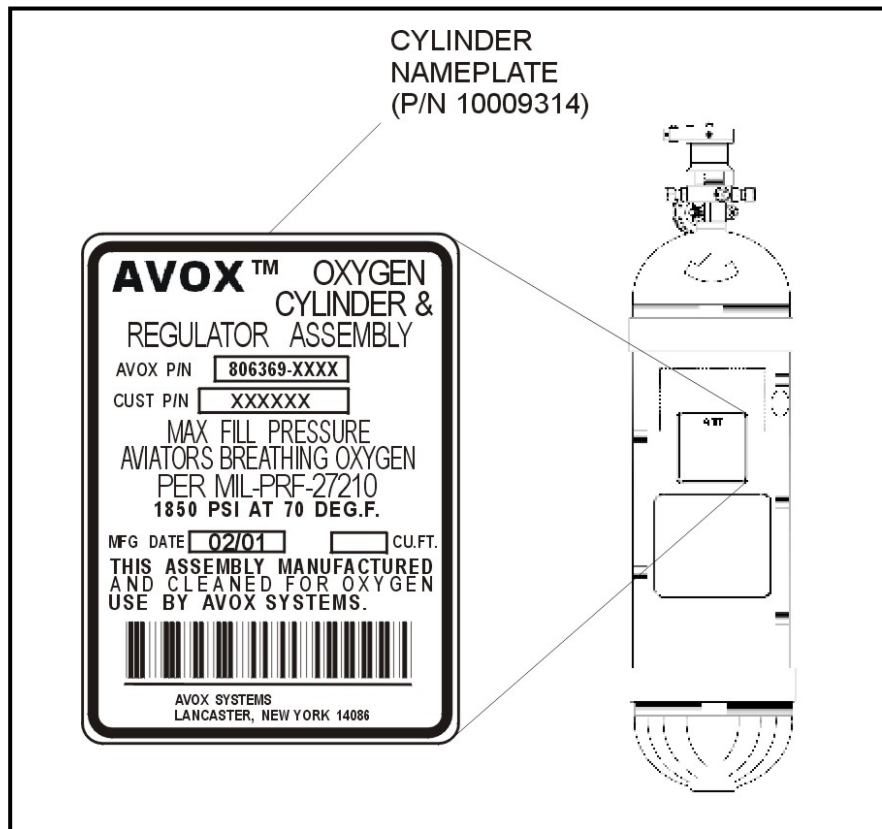


Location of Nameplate on Regulator
Figure 4



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Location of Nameplate on Cylinder
Figure 5



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7. TO CONTACT AVOX Systems:

- A. To get a Cylinder Nameplate P/N 10009314, Regulator Nameplate P/N 10013529, Safety Disc 10008435, and Safety Plug Gasket P/N 10013469, contact an authorized AVOX Systems Distributor. To have these items replaced, contact any AVOX Systems Authorized Repair and Overhaul Facility. Refer to the AVOX Systems website (www.avoxsys.com) for a list of authorized facilities.
- B. To get technical aid, contact the AVOX Systems Technical Support Department.
 - Mail: AVOX Systems
Attention: Technical Support
225 Erie Street
Lancaster, NY 14086-9502
USA
 - Telephone: 1-716-686-1725 or 1-716-686-1798
 - Fax: 1-716-681-1089 (Attention: Technical Support)
 - E-Mail: sa-customerservice@avox.zodiac.com
- C. To get a copy of the CMM or the revision status of a publication, contact the AVOX Systems Technical Publications Department. Give the aircraft model and AVOX Systems P/N when you send an order for a CMM copy.
 - Telephone: 1-716-683-5100
 - Fax: 1-716-681-1089
 - E-Mail: techpubs@avox.zodiac.com
 - Publications Index: log onto www.avoxsys.com; click on Aviation/Government Products, click on Aviation Product Information, click on Technical Product Information

Note: The steps to get the Publications Index from the AVOX Systems web site can and will change in the future because of changes to the web site.

New Contact Information (September 1 , 2004):

AVOX Systems Inc. (Formerly Scott Aviation, Inc.)

New Technical Support e-mail: avoxcs@avox.zodiac.com

New Technical Publications e-mail: avoxtechpub@avox.zodiac.com

New website address: www.avoxsys.com